

Cracklin' Static

May 2018 Edition



Breakfast Meeting – Sat, May 5th

Boomtown Casino Hotel
Events Center
I-80 at Exit 4 in Verdi

Breakfast Buffet – 7:30am - \$12
General Meeting – 8:00am

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury – As of 2 April 2018

Checking:	\$8259.00
Savings:	\$5576.00
PayPal:	\$1838.00
Self Insurance:	\$1150.00
Convention Fund:	\$7430.00
Total	\$24524.00

SNARS Membership – ending April 30

Technician:	113
General:	96
Advanced:	17
Extra:	123

SNARS Members	350
ARRL Members	236

President's Voice

President Anthony Marcin, W7XM

Email: w7xm@snars.org | Telegram: [@w7xm_nv](https://t.me/w7xm_nv)



If you have not heard, we are now linked with the Elko Club and their many repeaters covering the eastern portion of Nevada. This is possible by

SNARS and ELKO Clubs linking our systems at the Winnemucca site as both of our repeaters are now in the same building. I would like to thank the Elko Club for putting the final touches and getting us linked. A reminder when you are using the repeater system please key up 2 seconds before talking to allow the systems to link up. The systems are not tied together full time but SNARS members can bring up the system by using the * (asterisk) to bring up and # (pound) to bring down. Please if you are going to bring the link up to disconnect when finished and please identify before linking the systems to allow for the control ops to know who is bring up/down the links.

Also, a friendly reminder that we will be holding our Ham Swap this month on May 12th at Cabela's. Please visit <http://renohamswap.com> for more information.

We are still hard at work on NVCON and have almost sold out our exhibitor booths! This should be a great event and if you are planning to attend to register early. You can find information on the website at <http://nvcon.org>

73, Tony, W7XM



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2018 Officers

President.....Anthony Marcin, W7XM
Vice-President.....Jim Shepherd, W6US
Treasurer.....Bill Jones, AE7OX
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DirectorWes Vick, KG7QXE
DirectorJohn Byerly, N7ROJ
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Cracklin StaticHowie Holden, WB2AWQ
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KR7ENO Trustee.....Howie Holden, WB2AWQ
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Noon Net ManagerWes Vick, KG7QXE
DMR Net ManagerAnthony Marcin, W7XM
Reno Ham Swap.....Rob Dunbar, NB6C
WebmasterAnthony Marcin, W7XM

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size or line spacing may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Online

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



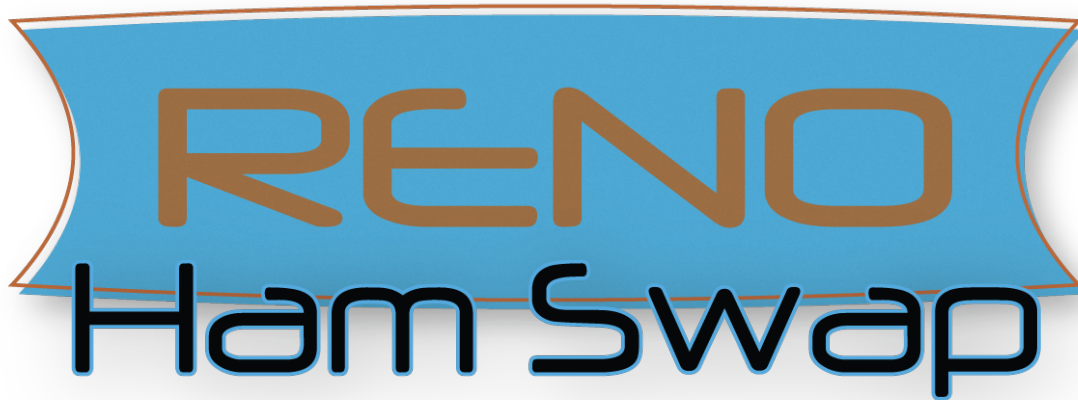
Offline



Not Linked

Thank you to our Sponsors/Supporters





Saturday, May 12, 2018

Cabela's – East Parking Lot
8650 Boomtown Garson Road, Reno, NV

Seller Setup @6:30AM

\$10.00 Per Space

Open to Public @7:00AM

Free to Browse and Buy

Donuts / Coffee

\$2.00 Donation

Raffle Drawing @ 10AM

HT Radios and More

Talk-In Frequency 147.210 PL 100.0
DMR Talk Group: SNARS 31328

RenoHamSwap.com

Brought to you by the Sierra Nevada Amateur Radio Society -- <http://snars.org>

Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

Bishops Storehouse Net	Monday @ 9:15pm
N. Western NV ARES Net	Monday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newsline	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Week Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays 8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

SNARS Board Meeting Wednesday May 9, 6 PM
 Black Bear Diner, 2323 S. Virginia, Reno

Reno Ham Swap @ Cabelas Sat, May 12, 6am – 11am
 8650 Boomtown Garson Road, Verdi, NV
 Visit <http://renohamswap.com> for information.

QCWA Nevada Chapter Sat, May 12, 11am – 12pm
 Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno

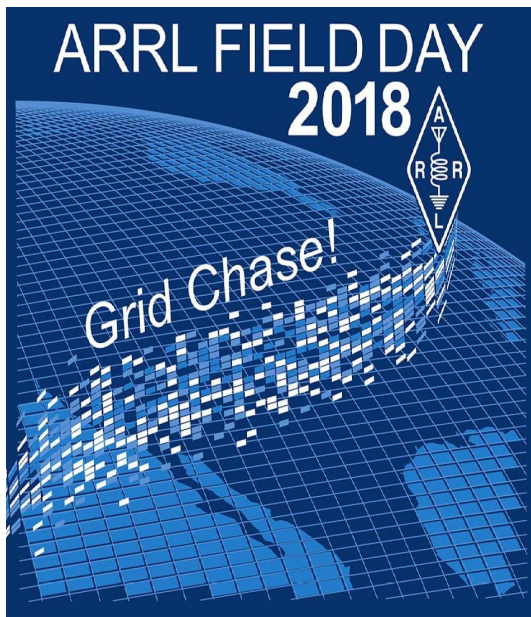
Reno SNARS Meetup Wednesday, May 16 6pm – 7pm
 900 S. Carson St, Carson City (inside Max Casino)

One Day Ham Review Saturday, May 19, 2018
 Washoe REOC 5195 Spectrum Blvd, Reno
<http://snars.org/classes> for more information on the One Day Ham Review / Ham Cram

Next SNARS Breakfast Meeting – Sat, June 2, 8 AM
 Boomtown Casino Hotel Events Center
 I-80 at Exit 4 in Verdi

WELCOME NEW MEMBERS

Jim Tiemstra K6JAT
 Eric Bero KI7WHH



ARRL FIELD DAY 2018

June 22, 23 & 24, 2018

Washoe Lake State Park

Join us if you are a licensed amateur radio operator or are interested in learning more about amateur radio.

Visit <http://snars.org/fieldday> for more information, schedule and to **sign up for our annual Field Day BBQ!**

What is Field Day?

Since 1933, ham radio operators across North America have established temporary ham radio stations in public locations during Field Day to showcase the science and skill of Amateur Radio. This event is open to the public and all are encouraged to attend.

For over 100 years, Amateur Radio — sometimes called ham radio — has allowed people from all walks of life to experiment with electronics and communications techniques, as well as provide a free public service to their communities during a disaster, all without needing a cell phone or the Internet. Field Day demonstrates ham radio's ability to work reliably under any conditions from almost any location and create an independent communications network. Over 35,000 people from thousands of locations participated in Field Day in 2016.

Anyone may become a licensed Amateur Radio operator. There are over 725,000 licensed hams in the United States, as young as 5 and as old as 100. Join us and come operate and learn about amateur radio!

Field Day Schedule

Friday, June 22, 2018

12:00PM Setup Radios, Tower, Antennas

Saturday, June 23, 2018

7:00AM Setup / Breakfast

11:00AM Start Making Radio Contacts Over the Next 24 hours

12:30PM Lunch

6:00PM Social Hour / Raffle Tickets

7:00PM BBQ Dinner host by SNARS

8:00PM Raffle Drawing

Sunday, June 24, 2018

8:00AM Breakfast

11:00AM Radio Contacts Ends

12:00PM Tear down Radios, Equipment

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

LINKED REPEATER SYSTEM

Last week, the link between the Elko System and the SNARS system was established. It is still being fine tuned for optimal operation, but you can now talk from Lobsell on the south end of our system to Twin Falls, Idaho on the north end of the Elko system and most points in-between...

First thing to understand is that there are delays in the system. If you call the Lobsell repeater, it recognizes the proper frequency and tone and then starts repeating and also turns on the link radio that goes to Mt. Rose repeater site. The Mt. Rose link radio receives the signal from Lobsell, and after checking for the right ctcss tone, keys the Mt. Rose VHF repeater and the link radio going to Peavine. When the Peavine link radio receives the transmission from Mt. Rose, it is checked for the right ctcss tone and it then sends the audio to the Peavine VHF repeater transmitter and to the link radio that goes to Virginia Peak....the same series of events occurs at Virginia Peak and Toulon Peak. On Winnemucca Mountain, the link radio, after checking for the right ctcss, fires off the VHF repeater transmitter, and, if the systems are linked, it also sends the signals from the SNARS repeater controller, via a wire, to the Elko repeater controller in the same building which then will send it to their UHF repeater transmitter and to their 220 MHz link radio to Chevas Peak north of Carlin. From there, it goes through their system, repeater system by repeater system until reaches the end points of their system which includes Twin Falls, Idaho... The same is true coming from the Elko system end.

The switching is faster than it took you to read the previous paragraph, but it still takes some time. This is why it is critically necessary to wait until the repeaters fully drop before you key up, wait 2 seconds, and then start talking. It will also require Net Control Stations to put out calls for specific areas or even use roll calls to find who is on the net. Stations keying up out of turn will block the signals from the distant stations. Wait for your area to be called before responding. You will absolutely need to let the repeaters fully drop before you key up. Failure to let the repeater drop completely will probably keep you from going across the system.

Another point is that you should use the main system only for contacts that cannot be made using a stand alone repeater... If you are Downtown and talking to someone in Sparks, use the 146.39 or the 147.61, the 146.300, other non-linked repeater, or even use simplex! You can make the initial call on the linked system and then switch to one of the stand alones for your ragchewing. In the more rural areas where there is not an al-

ternate repeater, you may use one or the other linked system. If someone in Lovelock wants to call someone in Winnemucca or Reno, they would not link in the Elko system, but if they want to talk to someone in Battle Mountain, they would then need to link both systems.

So how do you set up the link between the SNARS system and the EARC system? It is really easy! Just key your radio for a second and press the "*" (asterisk or 'star' key) to send a DTMF tone that brings the link up. It is easy to remember, as 'Star Up'. When you release the PTT, you should hear a morse code "N" – Dah-Dit. The link will stay up until there is 5 minutes of no activity or until someone sends a "#". The 'hashtag' or 'pound' symbol will disconnect the link. You can remember it as "pound it down" and it will send an "A" – Dit-Dah to confirm the action. Currently, the 'A' and 'N' are not being propagated down the system on the SNARS side, but that may change shortly. Anyone, anywhere on either of the systems can control the linking. Be sure to turn the link off after you are done using it.

It will take some learning on the part of Net Control Stations to give those distant hams a chance to be heard. Calling by the repeaters or areas will be needed. "Everyone come now..." may work on HF, but it won't work on this system. Suggested areas should be 'Reno and North', 'Elko and Carlin', 'Carson Valley, Dayton, and Carson City', 'Jackpot and Twin Falls'. 'Yerington and Mason Valley', 'Wells and East', 'Truckee, Tahoe and California', 'Battle Mountain', 'Lovelock and Winnemucca', and 'Fernley and Fallon'. As we get usage on this system, these areas may be changed, but this should be a good spot to start to avoid missing hams away from Reno and Elko. Also, in the future the Elko Club plans to link the Ely area into the system!

It is going to be a learning experience for all to make this work for everyone. Special Events like races will need Control Operators to disconnect the needed repeaters from the links so we do not tie up the entire system. Event organizers need to let the Elko Club and SNARS know at least a week in advance what repeaters will be needed and Control Operators can be scheduled to make the changes in the system configuration. We will continue to try and make improvements on the system.

We have been talking about this link across the northern part of the state for years, and now it has been done. Thanks to everyone who made this possible!

SNARS LOGO ITEMS

This year we are celebrating our 50th year by providing many ways to commemorate this occasion by imprinted our 50th



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00



Club Badge \$15.00

Order at
<http://snars.org/store/badge-order>

Items are available at the monthly meetings, events or online (coming soon) <http://snars.org/store>



MIKE'S MISSIVES CHAPTER THIRTY FIVE

Mike Katz, N7MSK

OVERVIEW OF THE PART 97 SUBPARTS

Part 97 is divided into six distinct subparts, A through F. Each subpart deals with rules and content in specific areas. Taken together, the subparts comprise the knowledge each licensee needs to legally, safely and appropriately operate on the air.

Subpart A- deals with the broad *general provisions* of what an individual is required to do when operating.

Subpart B- discusses *station operation standards*. These include the responsibilities of the licensee and the control operator of any amateur radio station.

Subpart C- contains the portion of the rules which govern how the most popular methods of amateur communications are carried out.

Subpart D- contains the *technical standards* of how we operate.

Subpart E- contains the basic purpose of the Amateur Radio Service, and many of the reasons today's licensees got involved.

Subpart F- Delineates the *qualifying examination systems* through which individuals may obtain and upgrade their operating privileges.



7QP CONTEST NEEDS NEVADA COUNTIES ACTIVATED

The 7QP contest this weekend still needs signups for operations in Carson City, Clark, Douglas, Elko, Eureka, Humboldt, Lincoln, Mineral and White Pine counties. You can sign up at <http://ws7n.net/7qp/new/Page.asp?Content=START&Page=2>
The contest runs from 0600 Saturday to 2359 Saturday night. We really need to activate all of the counties!

NAME THAT RIG



(answer on page 8)

FUN STUFF FOR MAY

Looking for some excitement on the bands during May? The contests in **bold** may qualify for the ARRL club contest competition.

5 May 0001 to 6 May 2359 28 10-10 International Spring Contest, CW www.ten-ten.org

5 May 1300 to 6 May 0700 1.8-144 7th Call Area QSO Party CW Ph Dig ws7n.net/7QP

5 May 2000 to 6 May 2359 3.5-28 New England QSO Party CW Ph Dig www.neqp.org

12 May 1200 to 13 May 2359 1.8-50 SKCC Weekend Sprintathon CW www.skccgroup.com

26 May 0000 to 27 May 2359 1.8-28 CQ WW WPX Contest, CW www.cqwp.com

There are **NO** ARRL-sponsored contests this month. The 7QP is highlighted because we're a part of it.....Be there!

A complete list of contests is available at:
<http://www.arrl.org/files/file/Contest%20Corral/2018/April%202018%20Corral.pdf>



Nevada State Amateur Radio Convention

NVCON

RENO-TAHOE 2018

July 20 - 22, 2018

Boomtown Casino Hotel • Reno, NV

● **Friday Amateur Radio Academy**

DX, Contesting, HF Digital, VHF/UHF Digital

● **Table Talks**

Round table discussions with Subject Experts

● **Amateur Radio Forums**

Presentations on Amateur Radio Related Topics

● **Exhibitors & Vendors**

Popular Amateur Radio Vendors and Exhibitors

● **Saturday Ham Swap**

Sell, Buy, Trade starting at 6am

● **Radio Exams**

Tech, General & Extra Exams

● **Raffle Prizes**

Amateur Radio Raffle Prizes

● **and more**

visit <http://nvcon.org> for more info

<http://nvcon.org>

If you're not into contests, there's always DX to chase, and April has some great ones! Some of the better DX operations coming up in April:

May 01 to May 03 **Wake I KH9**

May 02 to May 15 **Mozambique C8T**

May 05 to May 09 **Mozambique C98RRC**

May 05 to May 12 **Malta 9H3JI**

May 06 to May 11 **Aland Is OH0KA**

May 11 to May 16 **Rodrigues I 3B9RUN**

May 11 to May 18 **Lord Howe I VK9LI**

May 17 to May 21 **Gibraltar ZB**

May 26 to May 29 **Svalbard JW8DW**

For a complete list of announced DX operations, visit: <http://www.ng3k.com/Misc/adxo.html>

If none of that gets you moving, take a look at these sites, maybe activate one or two.....:

Summits on the Air: <https://sota.org.uk/>

Did you know that Nevada has 2567 qualifying summits? 115 right here in Washoe County, and a bunch right in our back yard. Here's the list— <https://sota.org.uk/Association/W7N>

Parks on the Air: <https://parksontheair.com/geo-map/>

This is a takeoff from the ARRL's National Parks on the Air event last year. Their locator map shows 25 qualifying parks within a 50 mile radius of Reno.

US Islands on the Air: <http://usislands.org/>

Not to be confused with IOTA sponsored by the RSGB. Nevada has 18 islands (really!!) that qualify, including one smack dab in the middle of downtown Reno.....Wingfield Park. A list of Nevada islands: <http://usislands.org/nevada/>

Amateur Radio Lighthouse Society : <http://arlhs.com/>

No, there are no qualifying light houses in Nevada, but there are two just over the border in Tahoe - Rubicon Point USA917 <http://wlol.arlhs.com/lighthouse/USA917.html> and Sugar Pine Point USA916 <http://wlol.arlhs.com/lighthouse/USA916.html>

HELP NEEDED FOR THE NVCON SPECIAL EVENT RADIO STATION

We will be running 2 HF radios and the VHF Talk-In radio for the NVCON event. Operations will be from 0800 to 1800, on Friday and 0800 to 1800 on Saturday. We will need to have 2 operators present at all times to either operate or act as control operators while our guests operate. One station will be set up to run digital modes, primarily FT8, and the other will be set up for SSB and CW. We are planning on running 2 hour shifts on the radios to allow everyone participate in the other convention activities. Each rig will be set up with logging and rig control computers. If you are interested in helping, please contact Jim Shepherd, W6US at nvjims@gmail.com
SNARS - Sierra Nevada Amateur Radio Society, Inc—<http://snars.org>

NAME THAT RIG (from pg 7)

Found in almost every U.S. Navy submarine in WW2, the **RAL** receiver had a well-earned reputation for top notch performance and extreme reliability. The **RAL**, and its LF/VLF mate the **RAK** are "built like a battleship", and rightfully so. These receivers had to withstand depth charge and artillery attacks to submarines (and other vessels too), and still be able to function. The series was first put to use in 1935, and was in use in submarines and other vessels into the 1950s. The design, classic 1930s, is commonly known as a Regenerative TRF – Tuned Radio Frequency – receiver, with two stages of tuned RF, a regenerative detector that served to both amplify the signal, and provide beat-frequency (CW) reception, an audio limiter stage, and two stages of audio amplification. Only six tubes (just two different types), a very substantial, thick steel cabinet and chassis, and a cast iron frame for the main tuning capacitor shaft meant near indestructibility. The RAL/RAK is the benchmark by which all other regenerative receivers, even today, are measured. The RAL covers 300Khz to 23 Mhz in 9 bands, has extensive audio filtering capability, and precision tuning, which, despite it only having a logging scale – no direct frequency readout – can be easily set or reset to a given frequency with amazing accuracy. The RAK is constructed similarly, but tunes from 15Khz to 600 Khz in 6 bands. The two are normally installed as a pair at one operating position. Each receiver has its own power supply, and each pair includes an A-B switch to enable an operator to monitor either or both at the flick of a switch. The RAL is today practically unobtainium due to its large demand, and the RAK is becoming so in large part to the opening up of our two newest bands, 2200 meters and 630 meters. Each weighs 69 pounds, and the power supplies weigh 41 pounds each. Yours truly used a RAL/RAK pair for 10 years doing restoration work aboard the WW2 submarine USS Ling in Hackensack, NJ, and I have yet to find a receiver that is as much fun and unique to use.



Yours truly (20 years younger) in the radio room of the USS Ling SS-297, where a RAL/RAK pair dominates the ops desk

PROGRAMMERS AND WEBMASTERS NEEDED

The upcoming events this summer and fall will need computer support. From helping set up the network at Field Day to programming the log checking software for the NVQSO Party, we need the help of the computer gurus out there. The SNARS and other associated websites need to be kept up to date as well as our presence on social media. Contact our president, Tony, W7XM for more information on these vital positions with SNARS.

ARES NEWS

ANNUAL COMMUNICATIONS CALENDAR 2018 CARSON VALLEY, TAHOE, RENO, PLUMAS COUNTY

EVENT 2018	DATE	DATE	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
SAGAN FONDO	5/5/18		Peter Sagan	Doug KA7FOO	ka7foo@gmail.com
Incline Village Evacuation Exercise	5/19/18		Washoe County	Doug KA7FOO	ka7foo@gmail.com
Silver State 50/50 race	5/19/18		Silver State Striders	Steve KS6A	ks6a@sbcglobal.net
Indian Valley Century Bicycle	5/26/18		Plumas ARC	Larry Trotter	dltrotter@sbcglobal.net
Lost and Found Gravel Grinder	6/2/18		Plumas ARC	Brian KJ6EAC	brianv@psln.com
America's Most Beautiful Bike Ride	6/3/18		Tahoe Amateur Radio Assn	Paul McCaffee KI6OCB	paul.mcafee6243@gmail.com
Pony Express Re-Ride	6/20/2018	6/30/18	SIERA	Jeff Cauhape K7BCV	j_cauhape@yahoo.com
FIELD DAY	6/23/18	6/24/18	SNARS	Rob Dunbar	robdunbar@outlook.com
FIELD DAY	6/23/18	6/24/18	SIERA,	Bob Williams	ka6voc@gmail.com
Death Ride	7/14/18		Tahoe Amateur Radio Assn	Paul McCaffee KI6OCB	paul.mcafee6243@gmail.com
Tahoe Rim Trail	7/20/18	7/22/18	Tahoe Mountain Milers	Doug KA7FOO	ka7foo@gmail.com
NVCON 2018	7/20/18	7/22/18	SNARS	Tony W7XM	w7xm@snars.org
Round Valley Walk/Run	TBD		Plumas ARC	Larry Trotter	dltrotter@sbcglobal.net
Running With the Bears	8/18/18		Plumas ARC	Larry Trotter	dltrotter@sbcglobal.net
Vegas to Reno Off Road Race	8/17/18	8/18/18	Best in the Desert Racing	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/9/18		Tahoe Amateur Radio Assn	Paul McCaffee KI6OCB	paul.mcafee6243@gmail.com
Reno Air-Races	9/12/18	9/16/18	WC-ARES	Rick Russell	wa6mtv@gbis.com
Edible Pedal 100	9/16/18		Sunrise Rotary Club	Bob Miller	wa6mtv@gbis.com
Grinduro SBTS	TBD		Plumas ARC	Larry Trotter	dltrotter@sbcglobal.net
Nevada Day Parade	10/27/18		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739
Indian Valley Leaf Peepers	TBD		Plumas ARC	Larry Trotter	dltrotter@sbcglobal.net

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

Editor's note: There was no board meeting for April, thus there are no minutes to be presented.